

A B S T R A C T

The invention relates to compositions for cables filling wherein a styrene-butadiene block copolymer with radial structure is used as a gelling agent. This polymer is obtained through styrene and butadiene sequential polymerization and subsequent reaction with a coupling agent preferably of type $\text{Cl}_{4-n}\text{MR}_n$, wherein M = Sn or Si, R is an alkyl or aryl group and n is an integer from 0 to 2, and hydrogenation of the resulting polymer. This type of copolymer brings a higher stability to the final properties of the gel as compared with the linear hydrogenated synthetic rubbers usually used in the prior art.

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